

NOTES

ASSUMED LIVE LOAD ------MS18 OR ALTERNATE LOADING.

DESIGN FILL------4.51m

FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.

76mm Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.

CONCRETE IN CULVERTS TO BE POURED IN THE FOLLOWING ORDER:

- 1. WING FOOTINGS AND FLOOR SLAB INCLUDING 100mm OF ALL VERTICAL WALLS.
- 2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL HEIGHT FOLLOWED BY ROOF SLAB AND HEADWALLS.

THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE ARE OF THE FILL.

DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.

TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 21.0m. LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS. EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS ARE IN METERS.

THE 600mm DIA PIPE THROUGH THE SIDEWALL OF THE CULVERT WILL BE LOCATED BY THE ENGINEER. THE REINFORCING STEEL WILL BE FIELD BENT AS NECESSARY TO CLEAR PIPE.

THE 750mm DIA PIPE THROUGH THE SIDEWALL OF THE CULVERT WILL BE LOCATED BY THE ENGINEER. THE REINFORCING STEEL WILL BE FIELD BENT AS NECESSARY TO CLEAR PIPE.

FOR EROSION DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS.

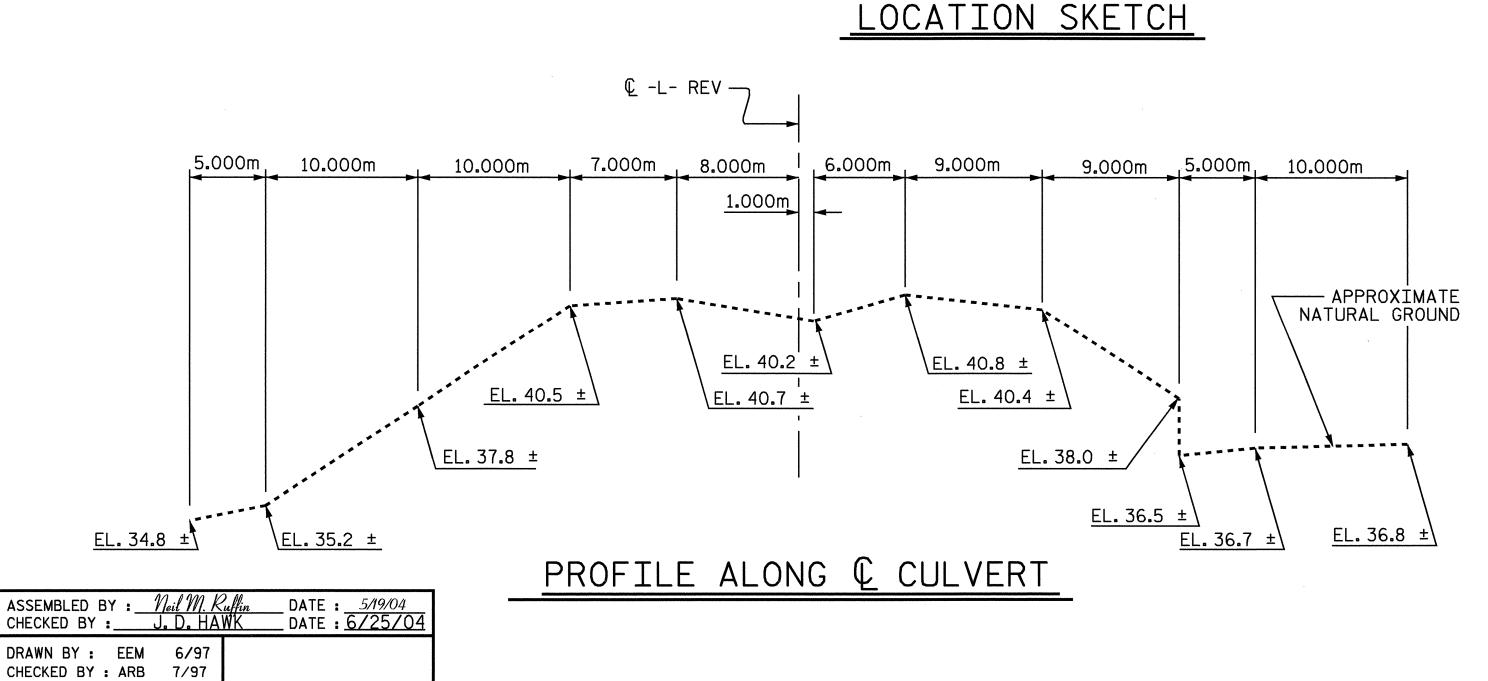
A 900mm STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS.

NO PRECAST REINFORCED BOX CULVERT OPTION WILL BE ALLOWED.

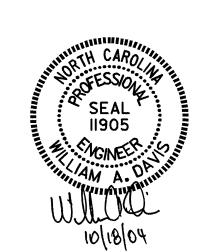


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CLASS A CONCRETE STAGE I		
BARREL @1.67m ³ /m	53.1	m ³
WINGS ETC	4.4	m ³
TOTAL	57.5	3 m
STAGE II		
BARREL @1.67m ³ /m	45.8	m ³
WINGS ETC		m3
TOTAL	50.2	m3
GRAND TOTAL	107.7	_3 m
OTTALE		' ' ' '
REINFORCING STEEL		
REINFORCING STEEL STAGE I		
REINFORCING STEEL STAGE I BARREL	4,264	''' kg kg
REINFORCING STEEL STAGE I	4,264 158	kg kg
REINFORCING STEEL STAGE I BARREL WINGS ETC TOTAL STAGE II	4,264 158 4,422	kg kg kg
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TOTAL STRUCTURE QUANTITIES									
	CULVERT EXCAVATION LUMP SUM								
/m <u>53.1</u> m ³	STAGE I FOUNDATION COND. MAT'L 55 METRIC TONS								
57.5 m ³	STAGE II FOUNDATION COND.MAT'L 47 METRIC TONS								
٦	GRAND TOTAL102 METRIC TONS								
/m 45 ₋ 8 m ⁰									





		WETRIC !	
ECT	NO.	R-2562C	

PROJECT NO. R-2562C

BLADEN COUNTY

STATION: 146+61.950 -L- REV.

SHEET 1 OF 4

DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE 2.10m X 1.50m CONCRETE BOX CULVERT 101° SKEW

REVISIONS					SHEET NO.
BY:	DATE:	NO.	BY:	DATE:	C-1
		3			TOTAL SHEETS
		4			12

STD. No. CBIIO5sm